



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Cindu USA, Inc.
1370 NW 78th Avenue
Miami, FL 33126

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Coverib 1000" Structural Multilayer Protected Steel Roof Panel

APPROVAL DOCUMENT: Drawing No. 1-00153 Roma, titled "Multilayer Protected Steel Roof Sheet", sheets 1 through 4 of 4, dated June 17, 2013, prepared by ASD consulting Engineers, Inc., signed and sealed by Fernando Azcue-Eneriz, P.E. on August 29, 2013, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
09/05/2013

NOA No. 13-0604.01
Expiration Date: 09/05/2018
Approval Date: 09/05/2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 1-00153 Roma, titled "Multilayer Protected Steel Roof Sheet", sheets 1 through 4 of 4, dated June 17, 2013, prepared by ASD consulting Engineers, Inc., signed and sealed by Fernando Azcue-Eneriz, P.E. on August 29, 2013.*

B. TESTS

1. *Test report on Uniform Static Air Pressure Difference per ASTM E 1592-05 on Coverib 1000 Roof Panel, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-4000, dated April 01, 2013, signed and sealed by Rafael E. Droz-Seda, P.E.*
2. *Test report on: 1000 hours Salt Spray per ASTM G 85-02, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-11-S107, dated April 04, 2013, signed and sealed by Rafael E. Droz-Seda, P.E.*
3. *Test report on: 2000 hours Accelerated Weathering per ASTM G 155, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-13-A301, dated April 02, 2013, signed and sealed by Rafael E. Droz-Seda, P.E.*
4. *Susceptibility to leakage test in accordance with FM 4471, prepared by PRI Construction Materials Technologies, Report No. ONDU-001-02-01, dated 05/20/2013, signed and sealed by Zachary R. Priest, P.E.*
5. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-4001, dated April 01, 2013, signed and sealed by Rafael E. Droz-Seda, P.E.*
6. *Test Procedure for Wind and Wind Driven Rain Resistance in accordance with TAS 100-95, prepared by PRI Construction Materials Technologies, Report No. ONDU-002-02-01, dated 08/22/2013, signed and sealed by Zachary R. Priest, P.E.*

C. CALCULATIONS

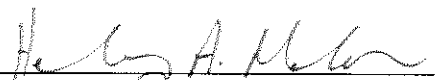
1. *Calculations titled "Multilayer Protected Steel Sheet, 20 pages, prepared by ASD Consulting Engineers, Inc., signed and sealed by Fernando Azcue-Eneriz, P.E. on June 17, 2013.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *Tensile Test on 5 specimens tested, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-13-T318, dated April 02, 2013, signed and sealed by Rafael E. Droz-Seda, P.E.*
2. *Tensile Test on 5 specimens tested, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-13-T319, dated April 02, 2013, signed and sealed by Rafael E. Droz-Seda, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 13-0604.01
Expiration Date: 09/05/2018
Approval Date: 09/05/2013

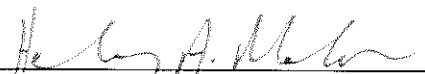
Cindu USA, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

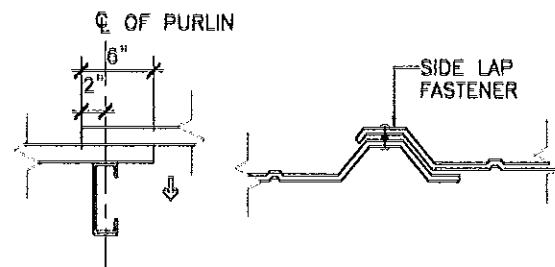
3. *The Flame Spread Index and Smoke Developed Index per ASTM E 84 Test, prepared by Commercial Testing Company, Report No. 12-05189, dated May 17, 2012, signed by Deuane Jackson.*

F. OTHERS

1. *Distributor Agreement, dated 06/20/2013, between RER, and Ondulit Italiana SPA called the manufacturer and Cindo USA, Inc. called the distributor for Coverib 1000 product, signed by Mr. Alberto Andreoli, CEO of Ondulit Italiana, SPA and Mr. Manuel Diaz, President of Cindo USA, Inc.*

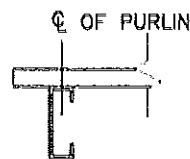


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Product Control Unit Supervisor
NOA No. 13-0604.01
Expiration Date: 09/05/2018
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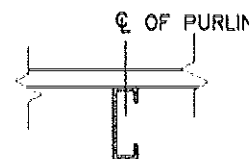


SECTION 3
SCALE: 3/4"=1'-0"
(SPICE PURLIN)

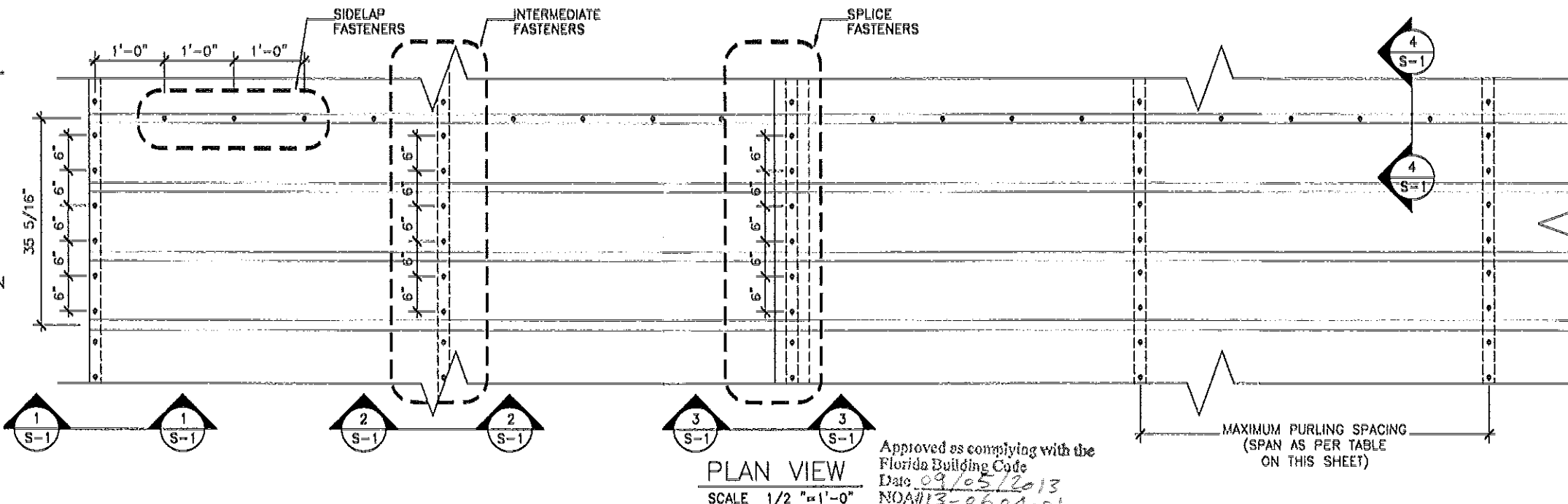
SECTION 4
SCALE: N.T.S.



SECTION 1
SCALE 3/4"=1'-0"
(EAVE)



SECTION 2
SCALE 3/4"=1'-0"
(INTERMEDIATE PURLIN)

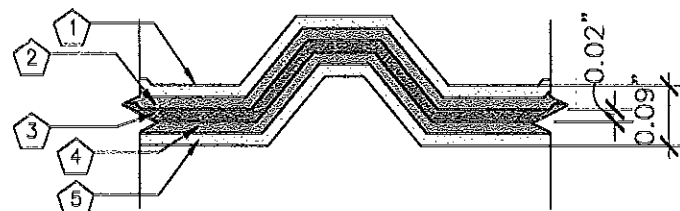


PLAN VIEW
SCALE 1/2"=1'-0"

Approved as complying with the
Florida Building Code
Date: 09/05/2013
NOA#13-2604-01
Miami Dade Product Control
By: *[Signature]*

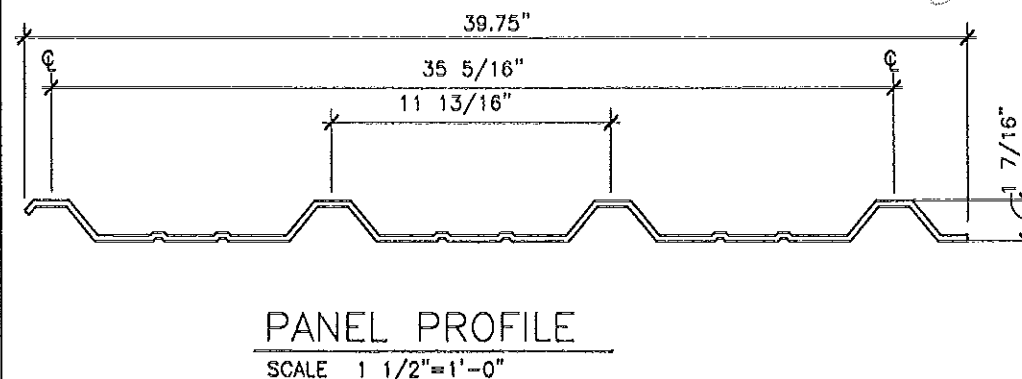
GENERAL NOTES

- THIS STRUCTURAL MULTI LAYER PROTECTED STEEL ROOF SHEET SHALL BE DESIGNED IN ACCORDANCE WITH 2010 EDITION OF FLORIDA BUILDING CODE (FBC)
- ALL COVERIB 1000 MULTI LAYER STEEL ROOF SHEET SHALL HAVE THE FOLLOWING PROPERTIES
 - NOMINAL WIDTH= 39 3/8"
 - COVER WIDTH= 35 5/16"
 - AVERAGE TOTAL THICKNESS= 0.09"
 - STEEL THICKNESS=0.02"
 - STEEL YIELD STRENGTH=58 KSI
- THIS COVERIB 1000, MULTILAYER STEEL ROOF SHEET SHALL BE USED FOR ROOF CONSTRUCTION. EVERY ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE APPROVED DRAWINGS INCLUDING:
 - DETAILS OF ALL PANEL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS
 - ASSEMBLY DETAILS INCLUDING ALL CONNECTIONS AND FASTENERS DIAGRAMS WITH SIZE OF LOCATION
 - ALLOWABLE LOADS SHOWN ON THIS SHEET
 - ACCESSORIES
- REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT
- THIS MULTILAYER PROTECTED STEEL ROOFING HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE
 - ACCELERATED TESTING OF COATING PER ASTM G155
 - SALT SPAY TESTING PER ASTM B117
 - UNIFORM STATIC AIR PRESSURE PER ASTM E1592
 - LARGE MISSILE IMPACT AND CYCLIC TEST PER TAS 201 AND TAS 203
 - WIND DRIVER RAIN AND STANDING WATER TEST PER TAS 100 AND FM 4471
 - TENSILE TEST PER E8



COVERIB 1000 CROSS SECTION

- ALUMINUM FOIL (0.002")
- PLASTIC BITUMINOUS COMPOUND (0.034" MIN.)
- GALVANIZED STEEL 0.02" THICK. FY=58.0 KS
- BITUMINOUS PRIMER (0.017" MIN.)
- ALUMINUM FOIL (0.002")

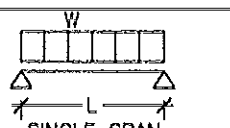
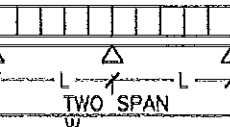
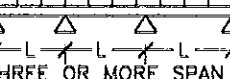


PANEL PROFILE
SCALE 1 1/2"=1'-0"

FASTENER SCHEDULE

LOCATION	DESCRIPTION
PANEL TO STRUCTURAL	#12 X 1 1/2" HWH SELF DRILLING SCREWS WITH 19/32" Ø GASKETED WASHER
PANEL TO PANEL (SIDE LAP)	3/16"Ø FLOWERING RIVET WITH 3/8" HEAD RIVET=0.75"

COVERIB 1000. ALLOWABLE LOADS (PSF)

SCHEME	SPAN	NEGATIVE LOADS (UPLIFT)		POSITIVE LOAD	
		DEFLECTION		DEFLECTION	
		L/240		L/240	
 SINGLE SPAN	5'-0"	-		14	
	4'-6"	-		19	
	4'-0"	16		27	
	3'-6"	23.80		41	
	3'-0"	37.80		65	
 TWO SPAN	5'-0"	19.65		32	
	4'-6"	27.00		40	
	4'-0"	38.40		51	
	3'-6"	57.30		67	
	3'-0"	91		91	
 THREE OR MORE SPAN	5'-0"	15.4		26.85	
	4'-6"	25.35		36.80	
	4'-0"	30.00		51.00	
	3'-6"	44.90		67.00	
	3'-0"	71.30		91.00	

SD
CONSULTING ENGINEERS, INC.
4706 S.W. 143RD AVENUE
MIAMI, FLORIDA 33176
PHONE: 788-351 3883
C.A. NO: 29139
FERNANDO AZCUE-ENERIZ P.E.
LICENSE NO: 65521
STRUCTURAL

SEAL:

[Signature]
8-3-13

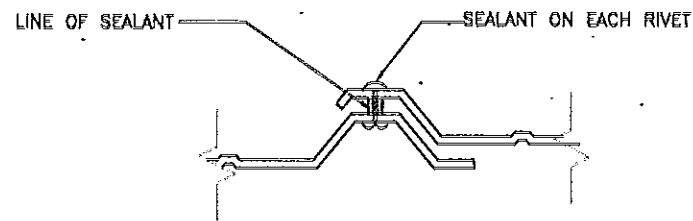
MANUFACTURER: ONDULIT ITALIANA, SPA
1-00153 ROMA
95/C, VIA PORTUENSE PH: 39-06 58330880
DISTRIBUTOR: CINDU USA
1370 NW 78TH AVENUE MIAMI FL 33126
PROJECT NAME: PRODUCT APPROVAL COVERIB 1000
(MULTILAYER PROTECTED STEEL ROOF SHEET)

DRAWING TITLE:
**COVERIB 1000.
PANELING
INSTALLATION**

DATE: 06-17-13

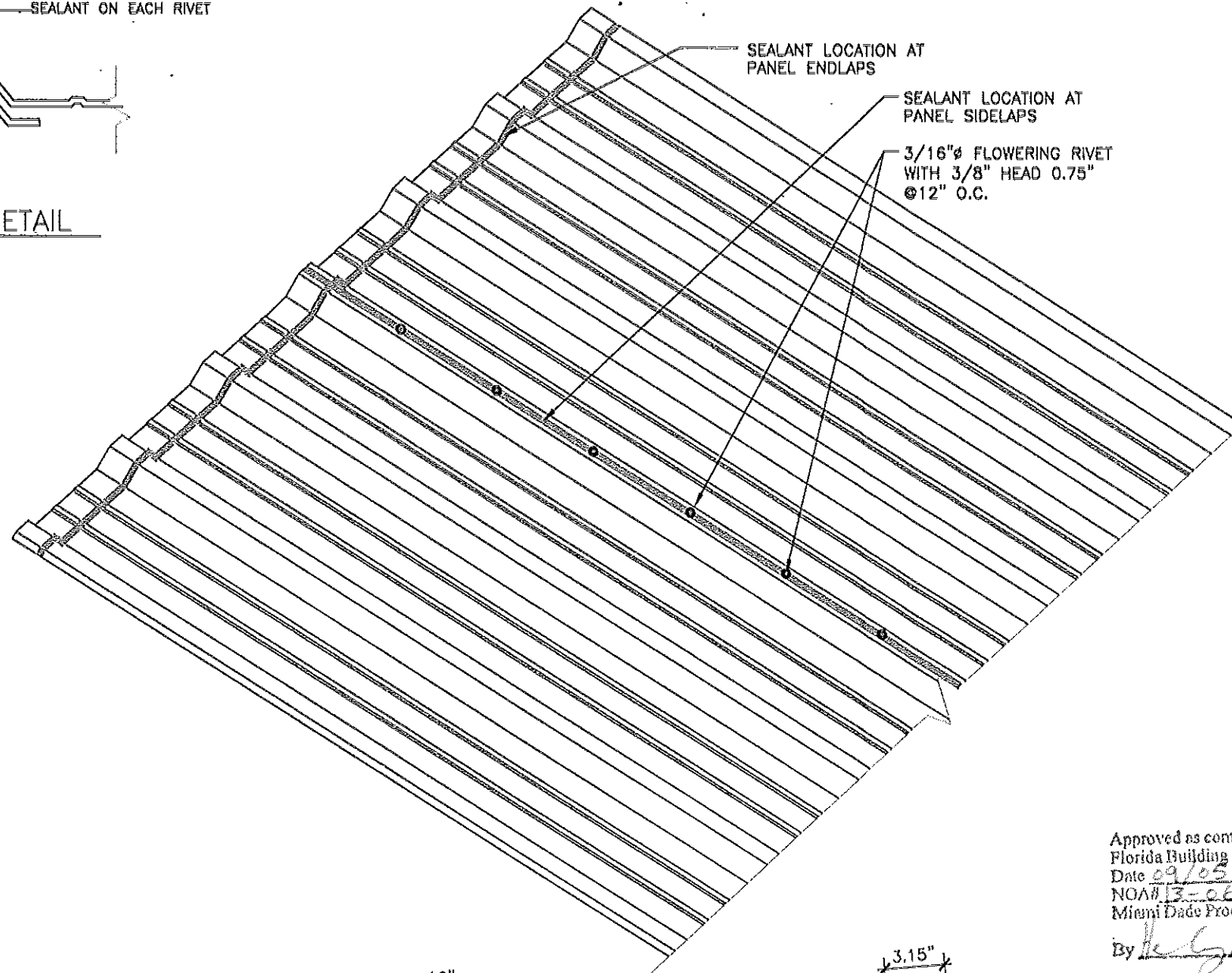
DWG NO:

SHEET 1 OF 4



SIDELAP DETAIL

SCALE: N.T.S.



SEALANT LOCATION AT
PANEL ENDLAPS

SEALANT LOCATION AT
PANEL SIDELAPS

3/16" FLOWERING RIVET
WITH 3/8" HEAD 0.75"
@12" O.C.

NOTES

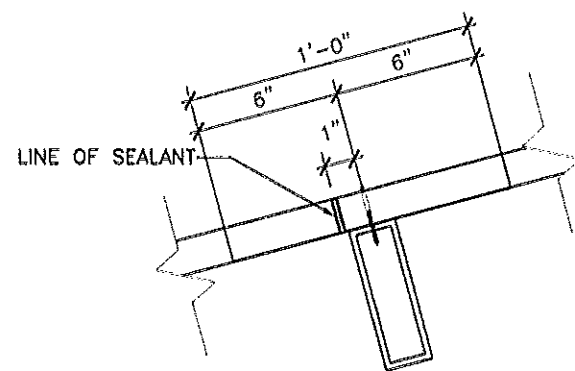
- SEALANT TO BE DOW CORNING-GENERAL PURPOSE CLEAR SILICONE SEALANT OR CINDU GENERAL PURPOSE SILICONE
- PANELS MUST BE CLEAN, DRY AND FREE OF SOIL BEFORE APPLYING SEALANT
- INSTALL SEALANT TO THE IN-PLACE PANEL AS SHOWN
- ALIGN THE OVERLAPPING PANEL AS CLOSELY AS POSSIBLE TO FINAL POSITION BEFORE LETTING IT TOUCH THE SEALANT ON THE PREVIOUSLY INSTALLED PANEL
- PROVIDE SEALANT ON EACH FASTENERS

SD
CONSULTING ENGINEERS, INC.
4705 S.W. 143RD AVENUE
MIAMI, FLORIDA 33176
PHONE: 788-351 3863
C.A. NO: 29139
FERNANDO AZCUE-ENERIZ P.E.
LICENSE NO: 65521
STRUCTURAL

SEAL:

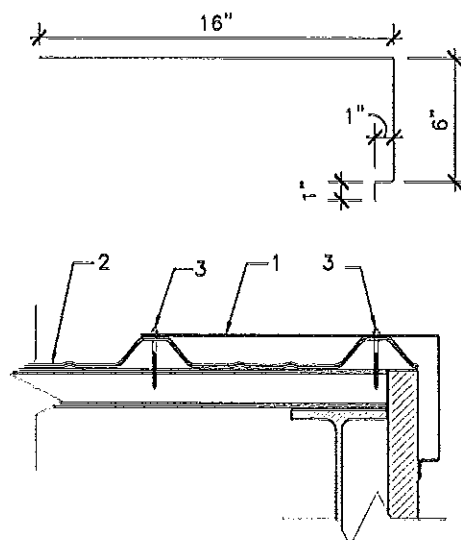
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8-29-13

Approved as complying with the
Florida Building Code
Date 09/05/2013
NOA# 13-06-04-01
Miami Dade Product Control
By *[Signature]*



ENDLAP DETAIL

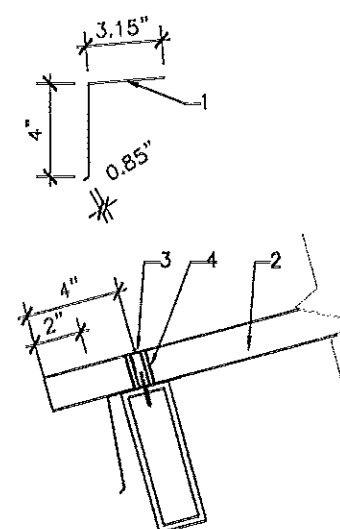
SCALE: 1 1/2"=1'-0"



RAKE DETAIL

SCALE: 1 1/2"=1'-0"

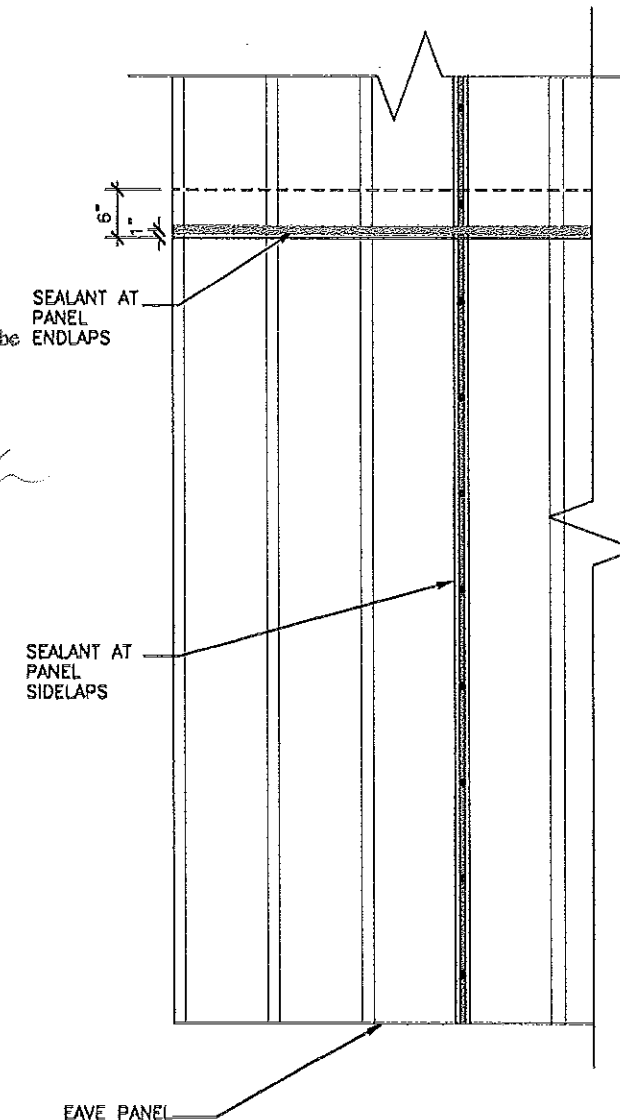
1. FLASHING
2. COVERIB 1000
3. SCREW



EAVE DETAIL

SCALE: 1 1/2"=1'-0"

1. ACCESSORY
2. LASTRA COVERIB
3. SCREW WITH WASHER
4. FOAM CLOSURE SURROUND WITH SEALANT (BEVELED CLOSURES REQUIRED FOR DIAGONAL VALLEY)



PLAN VIEW (SEALING)

SCALE 1/2"=1'-0"

MANUFACTURER: ONDULIT ITALIANA, SPA

1-00153 ROMA

95/C, VIA PORTUENSE PH: 39-06 58330880

DISTRIBUTOR: CINDU USA

1370 NW 78TH AVENUE MIAMI FL 33126

PROJECT NAME: PRODUCT APPROVAL COVERIB 1000
(MULTILAYER PROTECTED STEEL ROOF SHEET)

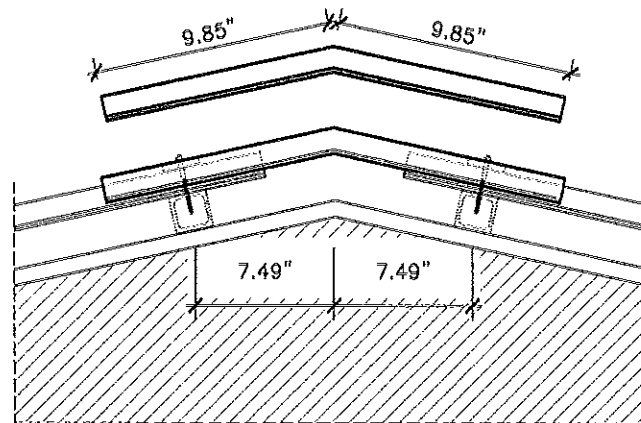
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**COVERIB 1000.
PANELING AND SEALING**

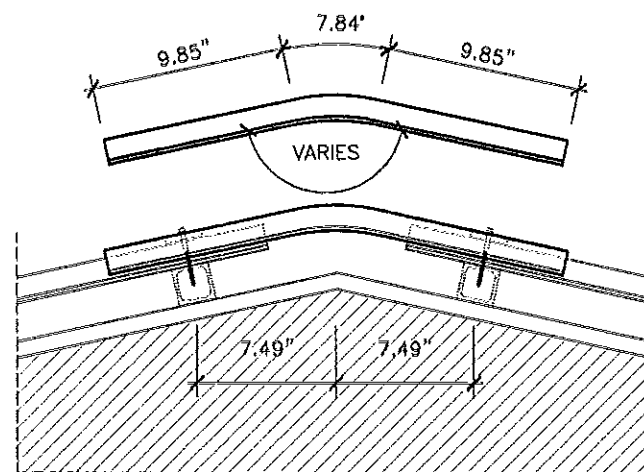
DATE: 06-17-13

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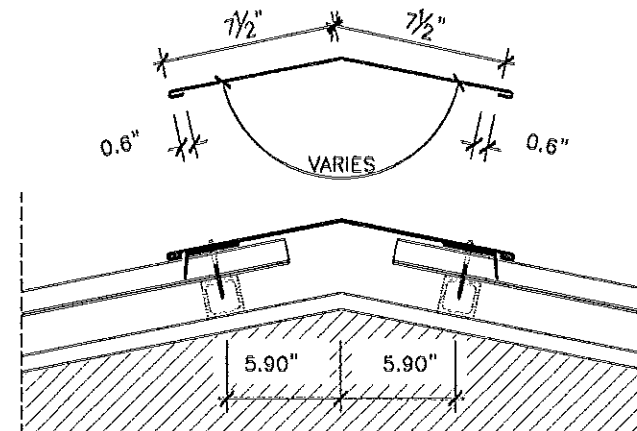
SHEET2 OF 4



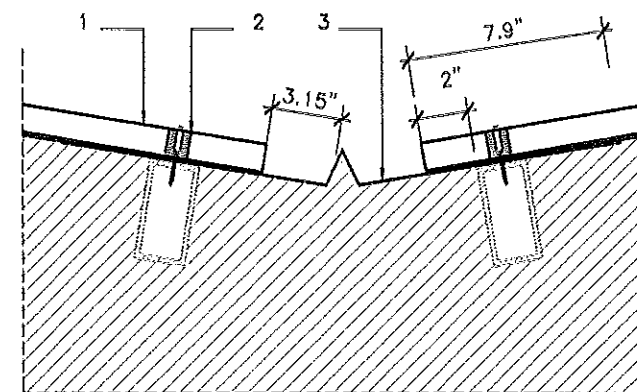
RIDGE CAP IN COVERIB
1000 SHEET CL3*



RIDGE CAP IN CURVED
COVERIB SHEET CCL3*



RIDGE CAP CPO*+LS3



1. COVERIB 1000
2. SEALANT
3. VALLEY (FLASHING)

VALLEY DETAIL

Approved as complying with the
Florida Building Code
Date 09/05/2013
NOA# 13-0604-01
Miami Dade Product Control

By *Handwritten Signature*

SEAL:

Handwritten Signature
8-27-13

MANUFACTURER: ONDULIT ITALIANA, SPA

1-00153 ROMA

95/C, VIA PORTUENSE PH: 39-06 58330880

DISTRIBUTOR: CINDU USA

1370 NW 78TH AVENUE MIAMI FL 33126

PROJECT NAME: PRODUCT APPROVAL COVERIB 1000
(MULTILAYER PROTECTED STEEL ROOF SHEET)

DRAWING TITLE:

**COVERIB 1000.
ACCESORIES**

DATE: 08-17-13

DWG NO:

SHEET 3 OF 4

SEAL:

[Signature]
8/27/13

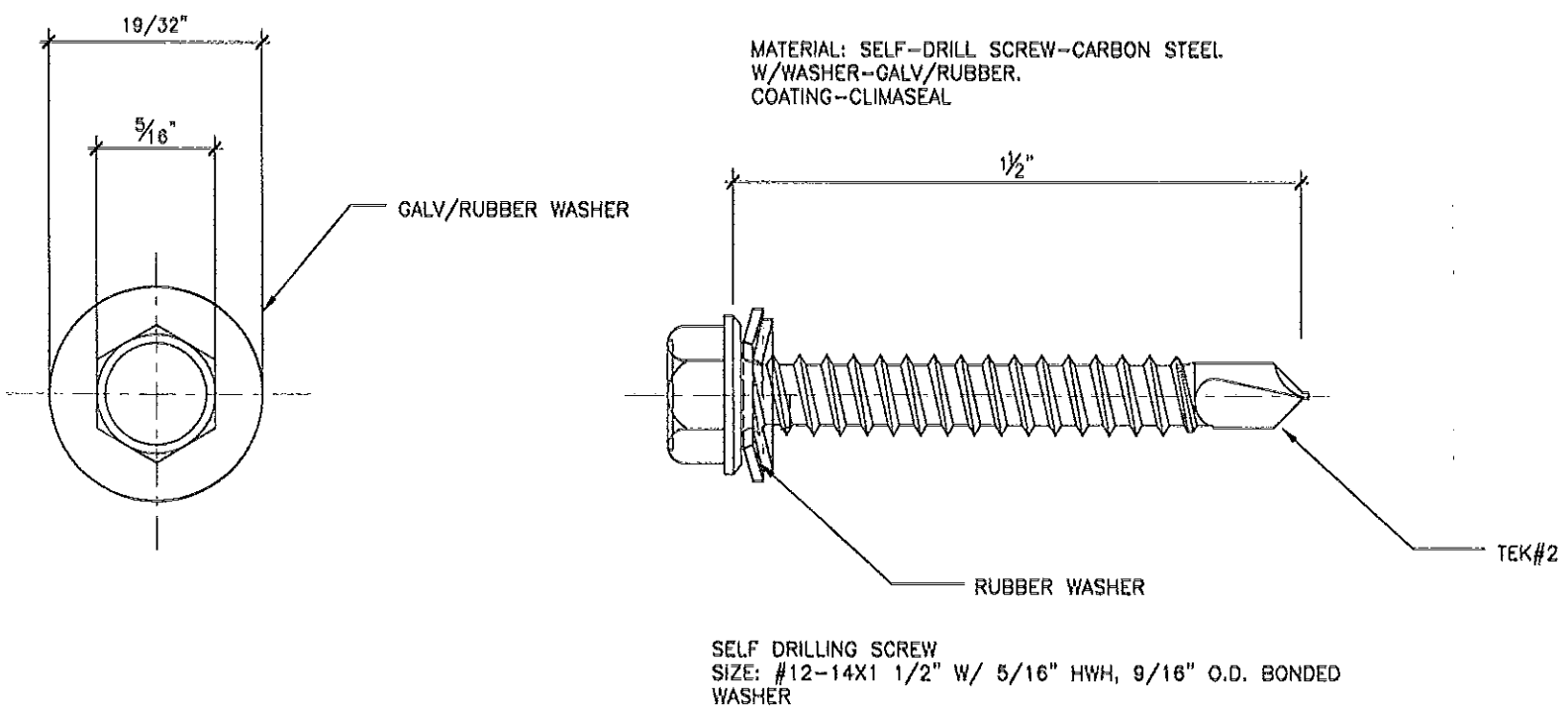
MANUFACTURER: ONDULIT ITALIANA, SPA
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 95/C, VIA PORTUENSE PH: 39-06 58330880
 DISTRIBUTOR: CINDU USA
 1370 NW 78TH AVENUE MIAMI FL 33126
 PROJECT NAME: PRODUCT APPROVAL COVERIB 1000
 (MULTILAYER PROTECTED STEEL ROOF SHEET)

DRAWING TITLE:
**COVERIB 1000.
 FASTENERS**

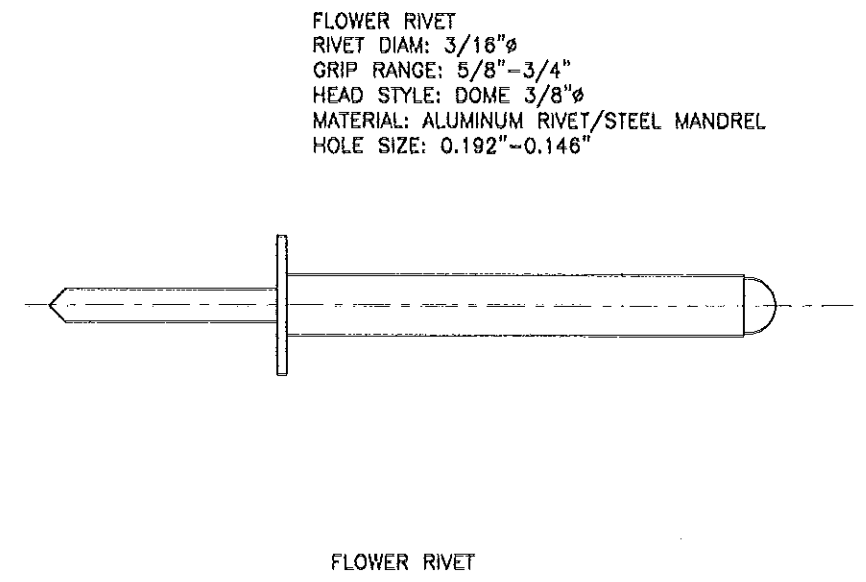
DATE: 06-17-13

DWG NO:

SHEET 4 OF 4



THIS FASTENER IS FOR PANEL TO STRUCTURE CONNECTIONS



THIS FASTENER IS FOR PANEL TO PANEL SIDELAP CONNECTIONS

Approved as complying with the
 Florida Building Code
 Date 09/05/2013
 NOA# 13-0604.01
 Miami Dade Product Control
 By *[Signature]*